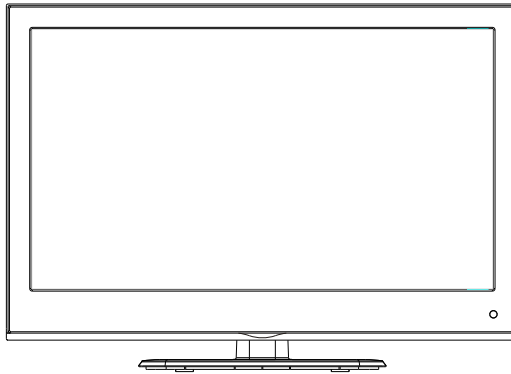




MHDV2445-O3
24" 60cm FULL HD LED LCD Television



USER MANUAL

Thank you for purchasing this LCD TV. Before connection and operation of this product please read the manual carefully and completely.

Please keep this manual for future reference.



Version 1.0

Should you encounter any problems, please contact the help line before you return this product back to the place of purchase.

Contact our Toll Free Warranty Support Help Line

1300 366 144

Email: warrantyhelp@awa.com.au

Visit our web site for FAQ's or request for service
www.awa.com.au

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Important Safety Instructions

Warning: To reduce the risk of electric shock, do not remove the cover or back. There are no user-serviceable parts inside. Refer servicing to qualified personnel.

Warning: To prevent fire or electric shock hazard, do not expose the unit to rain or moisture.

Do not expose the Adaptor and product to water (dripping or splashing) and no objects filled with liquids, such as vases, should be placed on the unit.

Keep the product away from direct sunlight and heat source such as radiators or stoves.

Do not block the ventilation openings. Slots and openings on the unit are provided for ventilation. The openings should never be blocked by placing your product on a cushion, sofa or other similar surface.

Do not place the product on unstable cart, stand, tripod, bracket or table. The unit may fall, resulting in possible damage or injury.

Never place heavy or sharp objects on the panel or frame.

Only use the AC adapter included with product. Using any other adapter will void your warranty.

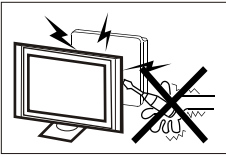
Unplug the power from the outlet when the unit is not in use.

Attention should be drawn to the environmental aspects of battery disposal.

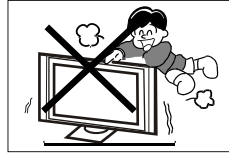
WARNING: The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.

WARNING: Excessive sound pressure from earphones or headphones can cause hearing loss.

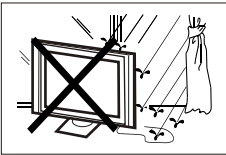
WARNING: Only use attachments/accessories specified provided by the manufacturer, the product is supplied by AC adapter, the AC adapter is used as disconnect device, the disconnect device shall remain readily operable.



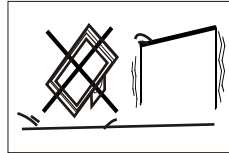
High voltages are used in the operation of this television receiver. Do not remove the cabinet back from your set. Refer servicing to qualified service personnel.



Never stand on, lean on, or suddenly push the television or its stand. You should pay special attention to children. Serious injury may result if it falls.



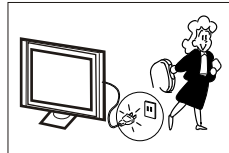
To prevent fire or electrical shock hazard, do not expose the television receiver to rain or moisture.



Do not place your television on an unstable cart, stand, shelf or table. Serious injury to an individual, and damage to the television, may result if it falls.



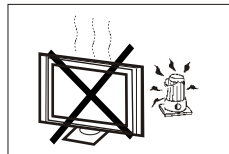
Do not drop or push objects into the television cabinet slots or openings. Never spill any kind of liquid on the television receiver.



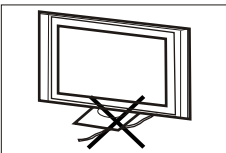
When the television receiver is not used for an extended period of time, it is advisable to disconnect the AC power cord from the AC outlet.



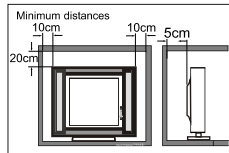
Do not block the ventilation holes in the back cover. Adequate ventilation is essential to prevent failure of electrical components.



Avoid exposing the television receiver to direct sunlight and other sources of heat. Do not stand the television receiver directly on other products which give off heat, e.g. video cassette players and audio amplifiers. Do not place naked flame sources, such as lighted candles on the television.



Do not trap the power supply cord under the television receiver.



If the television is to be built into a compartment or similar enclosure, the minimum distances must be maintained. Heat build-up can reduce the service life of your television, and can also be dangerous.

CAUTION

Never tamper with any components inside the TV, or any other adjustment controls not mentioned in this manual.

All LCD-TVs are high voltage instruments. When you clean up dust or water drops on the LCD PANEL or CABINET, the power cord should be pulled out from the receptacle, then wipe the TV with a dry soft cloth. During thunder and lightning, unplug the power cord and antenna cord to prevent damage to your TV. All repairs to this TV should only be performed by qualified TV service personnel.

Warning: Change or modifications to this unit not expressly by the part responsible for compliance could void the user's authority to operate the Equipment.

- a. Do not expose to dripping or splashing.
- b. No objects filled with liquids, such as vases, shall be placed on the apparatus.
- c. The mains plug of this device is used as the disconnect device and shall remain readily accessible and operable.
- d. No naked flame sources, such as lighted candles, should be placed on the apparatus.
- e. Allow suitable distances around the apparatus for sufficient ventilation. Ventilation should not be impeded by covering ventilation openings with items such as newspapers, table cloths, curtains and such like.

The display panel is a very sensitive and high technology product, giving you finely detailed pictures. Occasionally, a few non-active pixels may appear on the screen as a fixed point of black, blue, green or red. Please note that this does not affect the performance of your product.

About After- Image

The extended use of fixed image programme material can cause a permanent after - image on the screen.

This background image is viewable on normal programs in the form of a stationary fixed image.

This type of irreversible screen deterioration can be limited by:

- A. Reduce the brightness/contrast setting to a minimum viewing level.
- B. Do not display the fixed image for extended periods of time.
- C. Turn the power off when not in actual use.

Important Information Regarding Use of Video Games, Computers, Captions or Other Fixed Image Displays.

Do not allow a still picture to be displayed for an extended period, as this can cause a permanent after-image to remain on the screen.

Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode.

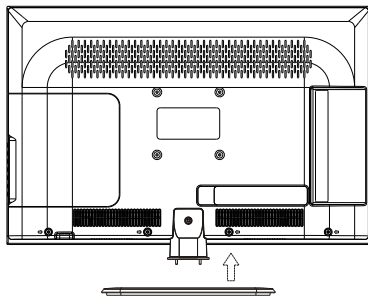
CAUTIONS:

The permanent after-image on the screen resulting from fixed image use is not an operating defect and as such is not covered by the warranty.

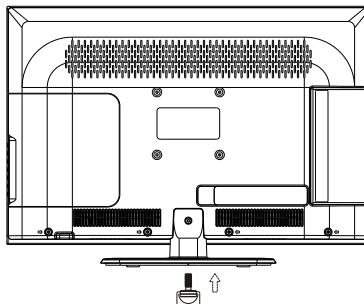
This product is not designed to display fixed images for extended periods of time.

Base Stand Assembly Instruction

1. Place the TV with the display side down on a flat surface. Use a cloth to protect. Locate the bottom of the stand.



2. Fix the bottom with turning the screw tightly on the stand.



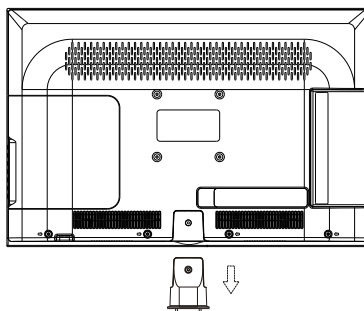
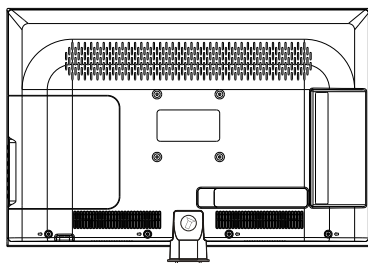
WALL MOUNTING INSTALLATION GUIDELINES

For wall mounting with the optional bracket, please read the following instruction and the bracket instruction. Make sure qualified service personnel perform the operation. AWA bears no responsibility for improper mounting that results in accident or injury.

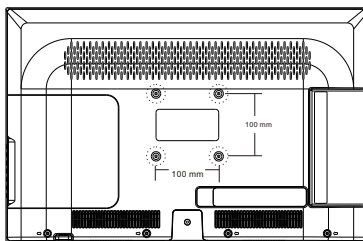
This television can be wall mounted as follows:

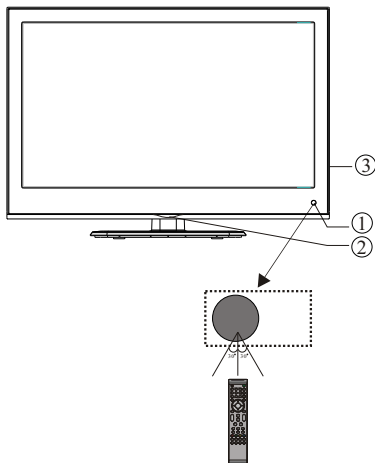
1. Place the LED LCD Television onto a solid surface. Please place some soft material over the front of the screen to protect it from any damage.

2. Remove the screws from the lower part of the television, where the base joins to the TV, and take away the stand (put the stand somewhere safe for future use).

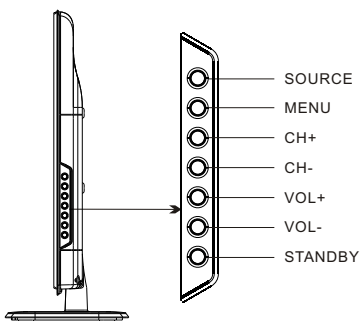


3. Use the four screws provided to fix the TV onto a wall mounting bracket (not included) via the four VESA standard holes on the back of the television.



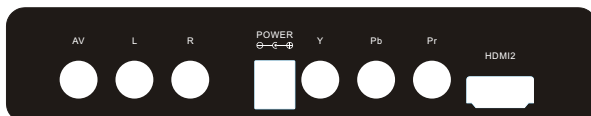
Front panel


- 1: Remote control sensor.
- 2: Indicator LED:
BLUE ● POWER ON.
RED ● STAND BY.
- 3: Key board (on side of TV).

KEYBOARD


1. **SOURCE:**
Display the input source menu.
2. **MENU:**
Display main MENU.
3. **CH+/CH-**
In TV mode, press “CH+” or “CH-” to change the channel up and down.
In MENU mode, press “CH+” or “CH-” to select items.
4. **VOL+/VOL-**
Adjust sound level.
In MENU mode, press “VOL+” or “VOL-” to adjust the item that you selected.
5. **STANDBY**
Press this button to turn the unit ON from STANDBY mode.
Press it again to turn the set back to STANDBY.

REAR AV Connections



All the terminals are(from left to right):

AV composite video input, Audio input, Power socket, YPbPr (component video) input, HDMI2 input.

Note: 1. AV and YPbPr share one audio channel.

2. When the HDMI2 port receives a DVI signal, the audio signal is received from the YPbPr/AV Audio channel.

REAR AV Connections(SIDE)

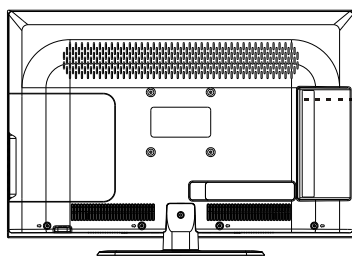


All the terminals are(from left to right):

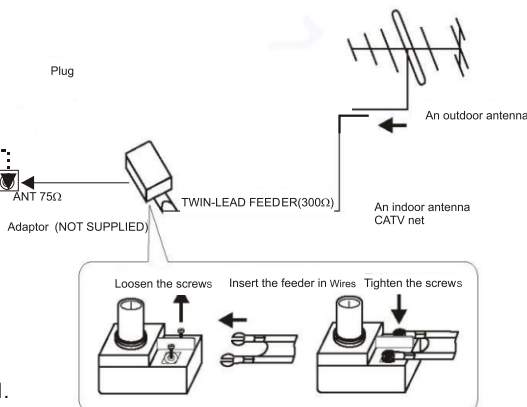
HDMI1 input, USB, PC Audio input, AV output (composite video and audio), VGA input, Antenna socket.

Note: When HDMI1 receives a dVVI signal, the audio signal is received from the PC Audio channel.

ANTENNA



Note:
Aerial connections: IEC(female).
Input impedance: 75 Ω unbalanced.



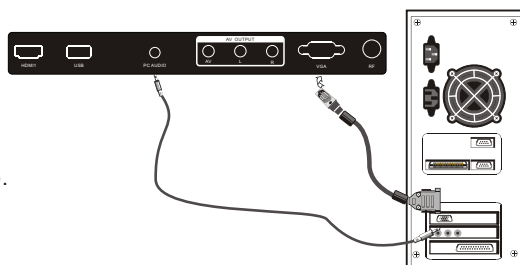
PC

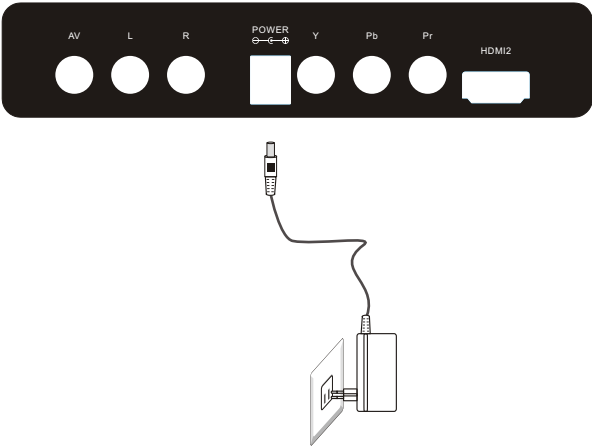
STEPS:

Be sure both the TV and computer are set to Poweroff.

- 1.Connect VGA and audio cable.
- 2.Connect the powercord.
- 3.Power on the TV, switch to PC mode.
- 4.Power on the PC.

This sequence is very important.





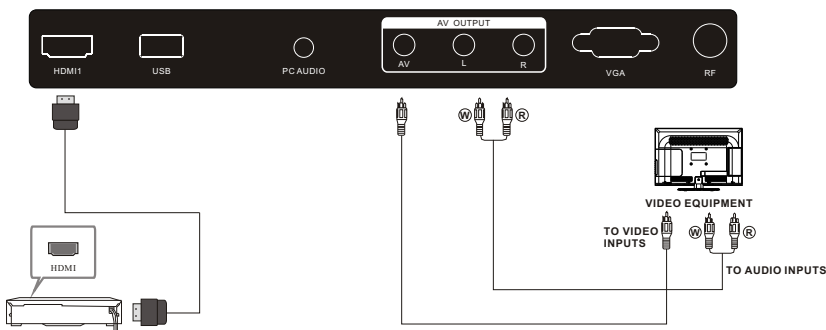
PC

PRESET MODE

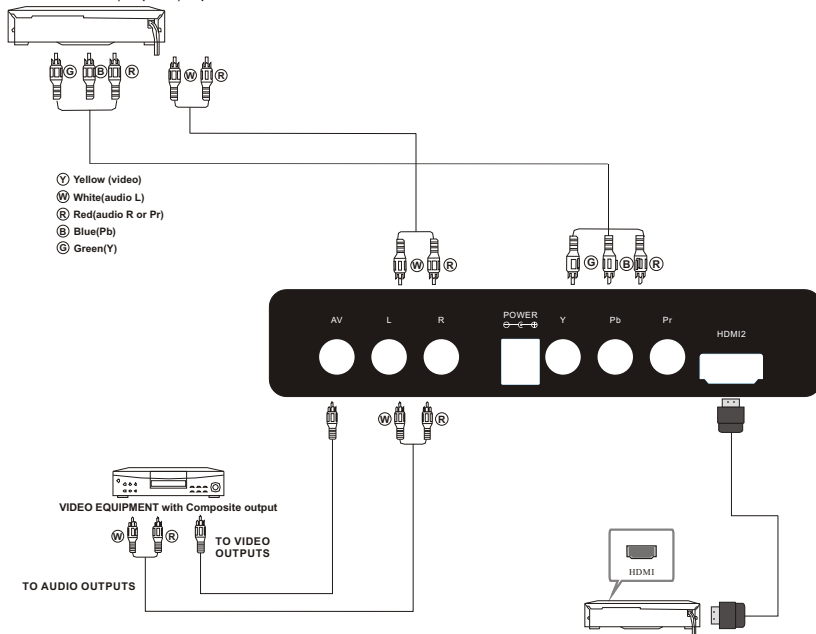
	RESOLUTION	V.Freq.(Hz)	H.Freq.(KHz)
1	720*400	70	31.47
2	640*480	60	31.47
3	800*600	56	35.156
4	800*600	60	37.88
5	800*600	72	48.08
6	1024*768	60	48.36
7	1024*768	70	56.48

AV EQUIPMENT

You can use the input terminals on TV set rear as follows.



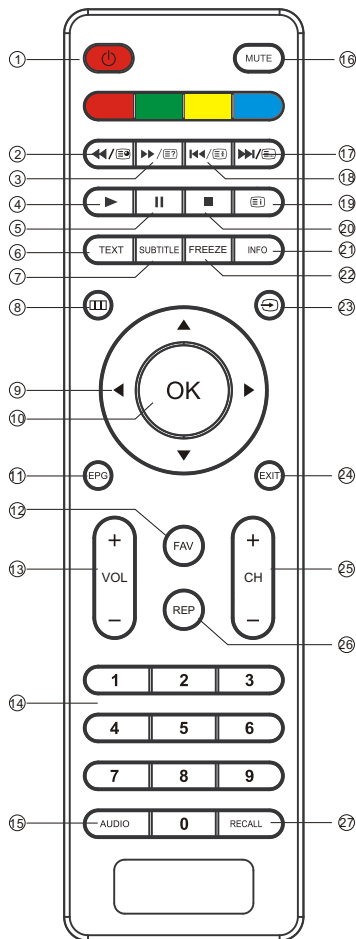
VIDEO EQUIPMENT with YPbPr (component) output



It can be connected to the following appliances: VCR, multi disc player, DVD, camcorder, video game or stereo system, etc....

YPbPr (component video) can support these video formats: 480i,576i,480p,576p,720p,1080i.

REMOTE CONTROL



- 1: **POWER**: To set the TV to standby or power on.
- 2: **◀/▶**: In USB mode, used as reverse key, in teletext mode used as subpage key.
- 3: **▶/▶**: In USB mode, used as forward key, in teletext mode used as reveal key.
- 4: **▶**: Press the Play Button in USB mode or time shift mode to begin or continue playback.
- 5: **||**: Press the pause button to pause play in time shift or USB mode or pause recording in record mode..
- 6: **TEXT**: To enter or TELETXT.
- 7: **SUBTITLE**: To turn on subtitles press the subtitle button in DTV mode.
- 8: **□**: Displays the main on-screen menu.
- 9: **CURSOR**: To move within the menu.
- 10: **OK**: Confirms selection.
- 11: **EPG**: To display information about the program being viewed and what's on next in DTV mode.
- 12: **FAV**: To access your favourite channels list in TV or DTV mode.
- 13: **VOL +/-**: To adjust sound level.
- 14: **NUMERIC KEY**: For direct access to channels.
- 15: **AUDIO**: To select the available audio language of TV programs.
- 16: **MUTE**: To disable or enable the sound output.
- 17: **▶/▶**: In USB mode, used as next key, in teletext mode used as list key.
- 18: **◀/▶**: In USB mode, used as previous key, in teletext mode used as hold key.
- 19: **◀**: In teletext mode used as index.
- 20: **■**: Press to stop play in USB mode.
- 21: **INFO**: To display the program information of the show you are watching, press the info button.
- 22: **FREEZE**: Press to freeze the picture you are watching.
- 23: **◀**: Press to display and select the available video sources.
- 24: **EXIT**: To return to the previous menu or exit menu.
- 25: **CH+/CH-**: To access the next or previous channels.
- 26: **REP**: In USB mode, select Repeat mode.
- 27: **RECALL**: DTV Mode: RECALL: Jumps to last channel viewed.

TELETEXT

Teletext is an information system broadcast by certain channels which can be consulted like a newspaper. It also offers access to subtitles for viewers with hearing problems or who are not familiar with the transmission language (cable networks, satellite channels, etc.)

Press:	You will obtain:
TEXT	This is used to call or exit teletext modes. The summary appears with a list of items that can be accessed. Each item has a corresponding 3 digit page number. If the channel selected does not broadcast teletext, the indication 100 will be displayed and the screen will remain blank (in this case, exit teletext and select another channel).
SELECTING A PAGE 	Enter the number of the page required using the 0 to 9 up/down. Example: page 120, enter 120. The number is displayed top left, the counter turns and then the page is displayed. Repeat this operation to view another page. If the counter continues to search, this means that the page is not transmitted. Select another number.
DIRECT ACCESS TO THE ITEMS 	Coloured buttons correspond to the colours at the bottom of the screen. The 4 coloured keys are used to access the items or corresponding pages. The coloured areas flash when the item or the page is not yet available.
INDEX	This returns to the contents page (usually page 100).
SUB PAGE	Certain pages contain sub-pages which are automatically displayed successively. This key is used to stop or resume sub-page acquisition. The indication appears top left.
HOLD	To freeze the page.
REVEAL	To display or hide the concealed information (games solutions).
LIST	The user can set four favourite pages to be directly linked to the four color keys. While list mode is activated, it is not possible to use TOP or FLOF navigation with the colour keys. The favourite page numbers should be stored and restored to/from nonvolatile memory for each channel by the system software.

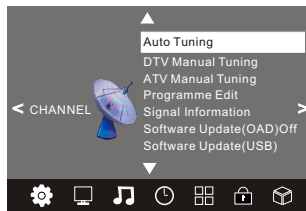
Installation Guide



This screen only appears when the TV is turned on for the first time, or reset to factory settings. You can choose language, country and auto tuning programs. After tuning, the screen will skip to the first DTV program.

1.CHANNEL MENU

The first item of the MENU is channel menu (for TV or DTV source only).



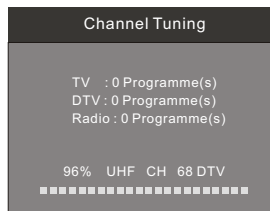
You can search channels and edit programs here.

1).Auto tuning:

Search all the channels automatically (you can select ATV and DTV)



Press ◀▶▼▲ to select country at first, then press the OK button to start auto tuning.



NOTE:

All the channels including ATV, DTV and Radio can be tuned at once, if the Tune Type is DTV+ATV. Any previously stored channels will be deleted after auto tuning is carried out.

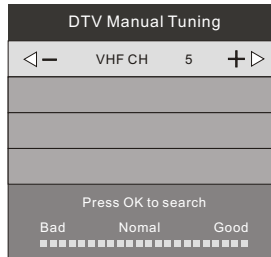
After auto tuning, the receiver will skip to the first DTV channel.

2).DTV Manual tuning:

You can select a DTV channel then find the program in this channel.
Press ◀▶ to select the channel, then press OK to search the programs .

NOTE:

The Bad Normal Good bar graph on this screen shows signal intensity.



3). ATV Manual tuning :

You can change the sound system, search the analog TV channels and fine tune them, then store the channels you selected.



NOTE:

Press teletext red button to store the channels after manual tuning.

4). Program edit:

You can Delete, Rename, Move, Skip, or FAV any programs.

● Delete

Press teletext red button, the program in the cursor will delete.

● Rename:

You can only rename ATV programs.

Move the cursor to the program, press teletext green button to rename the program.

Press ▼▲ to choose the character. Press ◀▶ to move the cursor.

Press MENU button to exit edit, Press EXIT to exit the menu.

Note: ATV programs name only can be only 5 characters long, DTV programs name can be 25 characters.

● Skip

Press ▼▲ to choose the program, press teletext blue button to skip this program, the Ⓢ symbol will show on the right side of the program .

Choose the skipped program, press blue button again, you can cancel the skip, the Ⓢ symbol will disappear.

Favourite

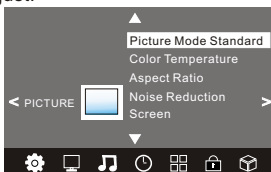
Press ▼▲ to choose the program, press FAV button, it will show ♥ on the right side of the program. Choose the FAV program, press FAV button again, you can cancel the FAV, ♥ will disappear.

Once your favorite group is created, you can press the FAV key to quickly access your favourite channel.

2. PICTURE MENU

The second item of the MENU is PICTURE MENU. You can adjust picture effects here, such as contrast, brightness, etc.

Press ▼▲ to move, press OK to adjust.



Picture Mode	Standard
Contrast	82
Brightness	50
Color	50
Sharpness	50
Tint	50
MENU	

Color Temperature	Medium
Red	40
Green	31
Blue	50
MENU	

NOTE:

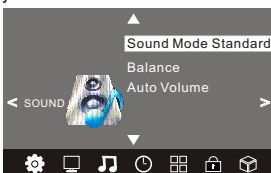
- 1). Tint is available in NTSC system only.
- 2). There are four color temperature modes that can be selected: medium, warm, cool, user.
- 3). Screen is available in PC mode only, which can adjust Horizontal position, vertical position, size and phase.

3. SOUND MENU

The third item of the MENU is the SOUND MENU.

You can adjust the sound effect here such as treble, bass, balance etc.

Press ▼▲ to move, press OK to adjust.



Note:

Auto volume: only available when the input signal volume is too large or there is distortion.

4. TIME MENU

The fourth item of the menu is the TIME MENU. You can adjust the clock, power on/off time, sleep time etc.

Press ▼▲ to move, press OK to adjust.

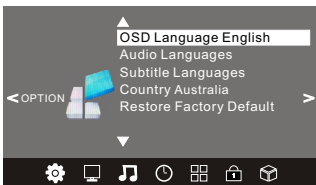


NOTE:

If within 15 minutes there is no signal, the TV will auto sleep, if Auto Sleep is set ON. The clock time can be set from the DTV system.

5.OPTION MENU

To enter the Option Menu, press MENU button and the press ◀ or ▶ buttons to select the Option Menu. Once in Option Menu, press ▼ or ▲ buttons to select the settings you wish to adjust. Press MENU button to return to the Main Menu.



NOTE:

Restore factory default will clear all the programs and password.

6.LOCK MENU

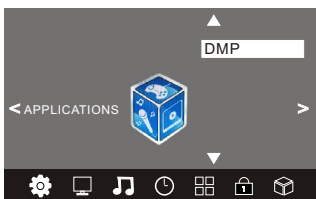
To enter the LOCK Menu, press MENU button and then press ◀ or ▶ buttons to select the LOCK Menu. The default password is 6666.

Please set a new password so it is easy to remember. Follow the onscreen steps to set.

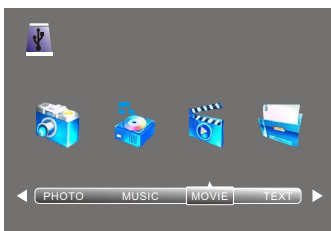


7. APPLICATIONS MENU

To enter the Applications Menu, press MENU button and then press ◀ or ▶ buttons to select the Applications Menu. This is where you will be able to view and play your USB files.



Press the OK button to enter the DMP Menu.



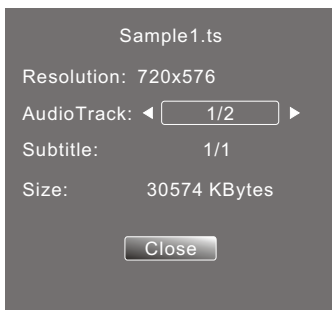
The supported formats are as below:

Photo: JPEG, BMP, PNG

Music: MP3

Movie: AVI, MKV

Text: TXT



8. EPG Menu (Electronic Program Guide).

The EPG Menu is used to look at what is being broadcast in DTV or Radio modes. Press the EPG Button to access the EPG Menu. You will receive detailed program information of the channel you are currently watching as well as the 7 Day Program guide.

PROGRAMME GUIDE		TIME
28 Apr 04:39		
800 SZTVM01	No Information	
801 SZTVM02	No Information	
802 SZTVM03	No Information	
803 SZTVM04	No Information	
804 Date	No Information	
INFO Schedule Remind		
OK INDEX		

1. ● INFO

Use ⬅ ➡ to select a program and then press the Green Button or INFO key on the Remote to display the highlighted program's information.

2. ● Schedule

Press the teletext yellow key, It can list all the reminder schedule, press ▼ ▲ to choose the list, press red key ● DELETE to delete the schedule list, Press EPG to return to EPG menu.

Schedule List		04:55 28th Apr		● Delete	
Time	Date	Programme Title	Channel Name		

3. ● Remind

Press the Blue Button to book a program for future viewing and add to the schedule list.

Reminder setting

◀ 802 SZTVM03 ▶

08 Minute

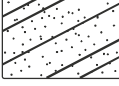
05 Hour

Apr Month

28 Date

★ Once Mode

⊙ OK ● BACK

Trouble phenomenon Symptom		Inspection Check
Picture	Audio	
 Snow	 Noise	antenna position, direction or connection
 Ghost	 Normal audio	antenna position, direction or connection
 Interference	 Noise	electronic equipment, car/motorcycle, fluorescent light
 Normal Picture	 Mute	Volume (check if mute is activated or if the audio system connections are not correct)
 No picture	 Mute	Power cord is not inserted Power switch is not opened Contrast and brightness/volume setup Press standby key on the remote control for inspecting
 No colour	 Normal audio	Colour control
 Picture breaking up	 Normal audio or weak	retune channel
 No colour	 Noise	TV system
 Mosaic	 Unnormal	Antenna Loose

LCD :	
Viewing Picture Size (diagonal)	23.6"(60cm)
Resolution	1920x1080
Aspect Ratio	16:9
Display colours	16.2M
Brightness	250 cd/m ²
Contrast ratio	1000:1
Response time	3.5 ms
View angle	170°(H)/160°(V)
TV:	
TV system	Digital TV: DVB-T Analog TV: PAL/SECAM
DVB-T decode	Audio: MPEG2 Audio Layer I&II Video: MPEG2 Transport MP@HL
DVB-T de-modulation	Demodulator : COFDM OFDM Mod.: 2K, 8K FFT, SFN and MFN Packed Carriers: 2K/8K Guard Interval: 1/4, 1/8, 1/16, 1/32
Terminals:	
HDMI Input	2
VGA Input	1
Audio Input	2
Composite Video Input	1
USB Input	1
Y PbPr (Component video) Input	1
Composite Video Output	1
Others:	
Power supply	DC 12V, 3A (Power adaptor supplied)
Audio Output Power (THD≤7%)	2 X 3W



Product Warranty

Subject to the warranty repair conditions below, in addition to any applicable statutory warranties this product is warranted for 3 years from the original date of purchase covering both parts and labour.

The benefits conferred by this warranty are in addition to and not in derogation of all rights and remedies in respect of this product which the consumer has under the Trade Practices Act and other State and Territory laws.

Warranty Repair Conditions

- A. This Product Warranty only applies provided the product:-
- Has been purchased in Australia and sold by Authorised Distributors or Dealers and only where the products are used and serviced within Australia
 - Is taken for when required to an Authorised Service Agent, together with written instructions indicating specific problem or function requiring investigation.
 - Has valid proof of purchase and presented when warranty service is requested.
 - Has only been used in a domestic application.
 - Has been installed and operated in accordance as noted in the operating instructions under normal use and reasonable care (in the opinion of the Service Centre).
 - Has not been damaged by the use of accessories which in the opinion of the Service Centre are defective or incompatible with the product.
 - Has not been tampered with or repaired (including unauthorised alterations) by anyone other than the AWA Service Centre or an Authorised Service Centre.
- B. This Product Warranty does not cover:-
- Damage, malfunction or failure resulting from use of incorrect voltages, incorrect installation, accidental damage, misuse, neglect, build-up of dirt or dust abuse, wear and tear, maladjustment of customer controls, mains supply problems, thunderstorm activity or Acts of God, pixel error, infestation by insects or vermin, exposure to abnormally corrosive conditions or any foreign object or matter having entered the product.
 - Mileage or travelling time in respect of service outside the authorised AWA Service Centre nor pick up and delivery cost incurred.
 - Service calls arising from failure to correctly operate the product or to observe noted instructions, or repair which reveals the product is in normal working order.
 - Cabinet parts, user replacement batteries or leads unless the defective items are reported at the time of purchase.
- C. Service calls only apply to Television display devices (CRT, LCD, Plasma) with screen sizes greater than 59cm in the major metropolitan areas of Australia or the normal operating areas of the nearest Authorised Service Centers.
- D. Requested service visits to the customer premises will be made during normal working hours of the customary working week upon request by the customer. Where such a visit is made on a day arranged by the customer and the service technician is unable to obtain access to the product, the Service Centre will be entitled to make a separate charge for service call fee, time and distance travelled.
- E. The AWA Service Centre and its Authorised Service Centres may charge for work done where the product is found to be in good working order. Example, charges may be made where the problem is found to be due to incorrect setting of customer controls, use of poor associated equipment (e.g. poor antenna systems) or the inability of the product to operate with faulty or incompatible equipment.
- F. If the product is sent to an Authorised Service Centre, the owner is responsible for the cost of transport to and from the Service Centre. In addition, the product is at the owners risk while in transit to and from the authorised Service Centre.
- G. No person is authorised to make or give any assertions, statements or undertakings, whether expressed or implied about the product other than or additional to the terms of this warranty.

Please read instruction manual carefully
Should you encounter any problems?

Please contact Telefix for Warranty Support
1300 366 144

Email: warrantyhelp@awa.com.au

The original proof of purchase must be kept and produced for service requirements under this Product Warranty.